

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
4 March 2004 (04.03.2004)

PCT

(10) International Publication Number
WO 2004/018073 A1

- (51) International Patent Classification⁷: **B01D 19/04** (74) Agents: DAVIES, Peter, V. et al.; Dow Corning Limited, Cardiff Road, Barry CF63 2YL (GB).
- (21) International Application Number: PCT/EP2003/009159 (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 1 August 2003 (01.08.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 0219089.0 16 August 2002 (16.08.2002) GB (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- (71) Applicant (*for all designated States except US*): DOW CORNING CORPORATION [US/US]; Midland, MI 48611 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): CREUTZ, Serge [BE/BE]; Allée Bietlimé 40, B-4000 Rocourt (BE). NACHON, Guzman [ES/ES]; Enric Morera, 39 3^o 3a, E-08100 Mollet del Vallès - Barcelona (ES). BETRAND, Michel [FR/BE]; 6, rue de Saintes, B-1400 Nivelles (BE). SEGHIR, Houria [FR/BE]; 21 A, Chausse de Bruxelles, B-1400 Nivelles (BE). CAPRASSE, Virginie [BE/BE]; Boulevard de la Sauvenière 105, B-4000 Liège (BE). BATCHELOR, Louise [GB/BE]; Les Camelias, Av. J & P Carsoel 83C, B-1180 Uccle - Brussels (BE).
- Declaration under Rule 4.17:
— of inventorship (Rule 4.17(iv)) for US only
- Published:
— with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2004/018073 A1

(54) Title: SILICONE FOAM CONTROL COMPOSITIONS

R
|
-(Si - O)-
|
R

(I)

(57) Abstract: A foam control composition comprises a polydiorganosiloxane fluid comprising units of formula (I), where each group R, which may be the same or different, is selected from an alkyl group having 1 to 36 carbon atoms or an aryl group or aralkyl group having up to 36 carbon atoms, the mean number of carbon atoms in the groups R being at least 1.3, and an additive composition having a melting point of at least 35°C comprising 5-50 parts by weight of a non-polar component (A) and 50-95 parts by weight of a component (B) which is miscible with component (A) and is more polar than component (A), at least one of (A) and (B) being miscible with the polysiloxane fluid.